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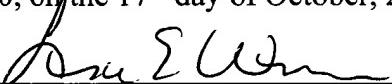
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David R. Whitlock  
Serial No: 10/573,513  
Confirmation No: 3543  
Filed: March 27, 2006  
For: METHODS OF USING AMMONIA OXIDIZING  
BACTERIA  
Examiner: Lora A. Barnhart  
Art Unit: 1651

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 17<sup>th</sup> day of October, 2008.

  
Lisa E. Winsor

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Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO RESTRICTION REQUIREMENT**

Sir:

In response to the Office Action mailed April 17, 2008, please amend the above-identified application as follows. Changes to the Claims are shown by strike through (for deleted matter) and underlining (for added matter).

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks** begin on page 5 of this paper.

**Appendices A-C** including *Guidelines on Diabetes, Pre-Diabetes, and Cardiovascular Diseases*; *Characterization of Hydroxylamine-Cytochrome c Reductase from the Chemoautotrophs Nitrosomonas europaea and Nitrosocystis oceanus*; and *Polygenic analysis of ammonia-oxidizing bacteria using 16S rDNA, amoA, and amoB genes* publications are attached following page 9 of this paper.